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Part Number:

0678005002

Status:

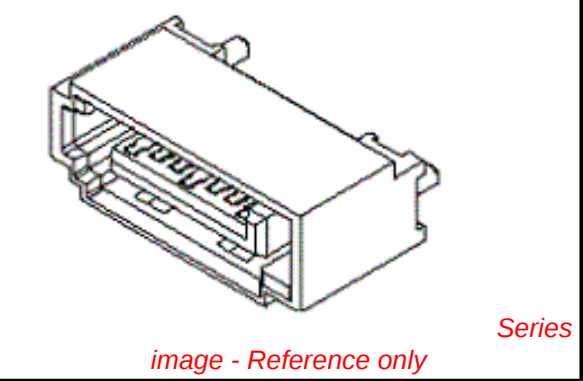
Active

Overview:

serial_ata_products

Description:

1.27mm (.050") Pitch Serial ATA High Speed Header, Vertical, Surface Mount, with Locking Latch, 7 Circuits, 0.76µm (30µ") Gold (Au) Plating, for 1.60mm (.063") PCB, with PCB Locator Pegs, Lead-free



Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR 19980
UL	E29179
General	
Product Family	PCB Headers
Series	67800
Application	Board-to-Board, Wire-to-Board
Comments	Staggered Solder Pin Metal Post Length 2.65mm (.104")
Overview	serial_ata_products
Product Name	Serial ATA
Physical	
Breakaway	No
Circuits (Loaded)	7
Circuits (maximum)	7
Color - Resin	Black
Durability (mating cycles max)	50
First Mate / Last Break	Yes
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.9
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free Status

Halogen-Free

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

67800Series

Temperature Range - Operating
Termination Interface: Style

-35°C to +85°C
Surface Mount

Electrical

Current - Maximum per Contact
Voltage - Maximum

1.5A
15V DC

Solder Process Data

Lead-free Process Capability

Reflow Capable (SMT only)

Material Info

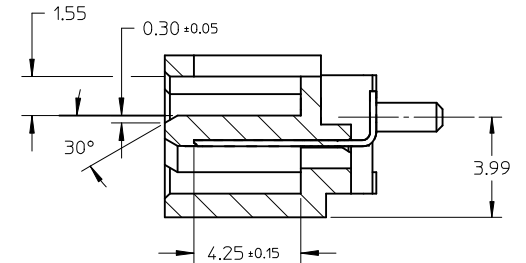
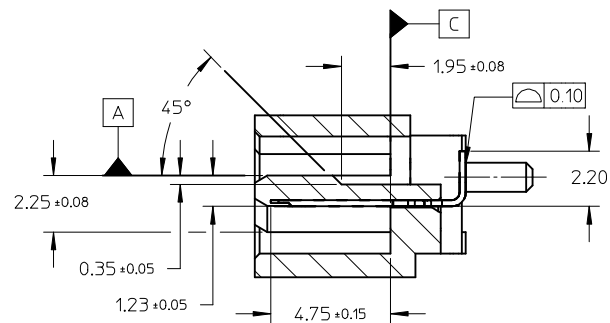
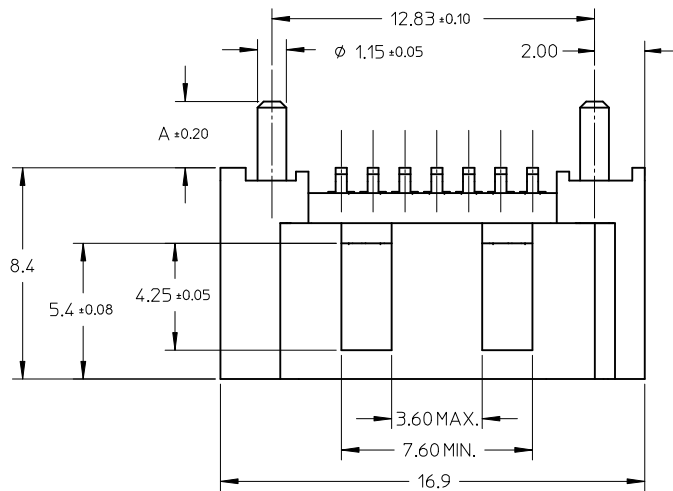
Reference - Drawing Numbers

Packaging Specification
Sales Drawing

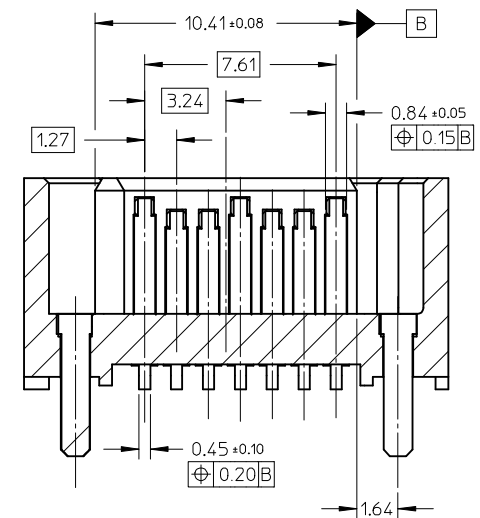
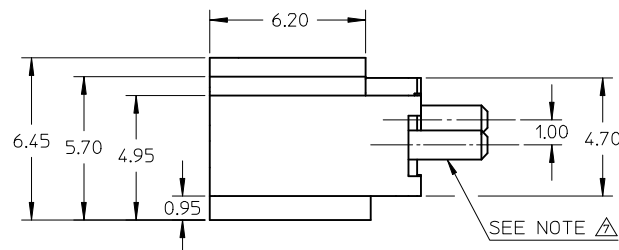
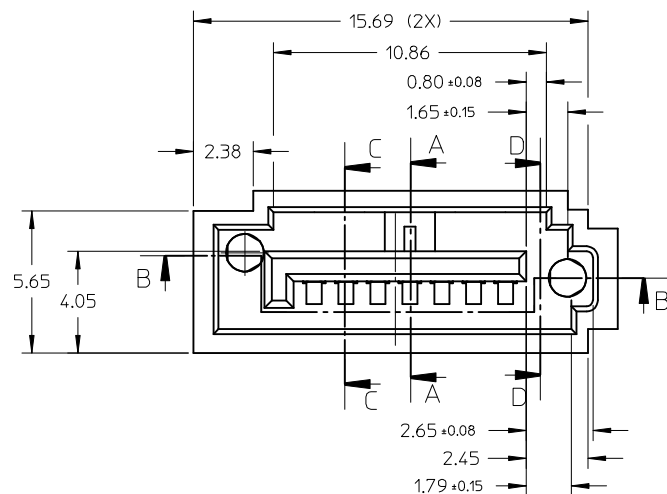
PK-67800-001
SD-67800-005

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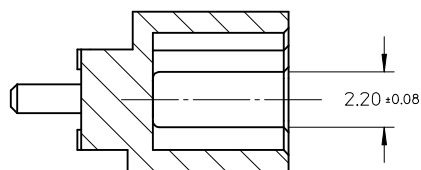
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SECTION C-C



SECTION B-B



SECTION D-D

REVISED	EC NO: SH2010-0043	2009/08/07 DRAWN:GLLI 2009/08/10 CHK'D:XJONG 2009/09/13 APPR:RZHANG	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				=0 =0			MM ONLY		5:1	METRIC		
						mm	INCH	DRAWN BY	DATE	TITLE	HIGH SPEED CONNECTOR 1.27MM PITCH VERTICAL SMT SOLDER TAIL	
					4 PLACES	± ---	± ---	GRATE MA	2004/02/02			
					3 PLACES	± ---	± ---	CHECKED BY	DATE			
2 PLACES	± 0.15	± ---	YAJUN	2004/02/02								
	1 PLACE	± 0.25	± ---	APPROVED BY	DATE		MOLEX INCORPORATED					
	ANGULAR ± 1 °		SAM	2004/02/02								
					MATERIAL NO.	DOCUMENT NO.		SHEET NO.				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE SHEET 2		SD-67800-005		1 OF 2			
			REV		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

△ METAL POSTS TO BE SOLDERED TO PCB



REVISED	EC NO: SH2010-0043	2009/08/07	DESCRIPTION	QUALITY SYMBOLS ▽=0 C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	DRWN:GLLI	2009/08/10			mm	INCH	DRAWN BY	DATE	TITLE HIGH SPEED CONNECTOR 1.27MM PITCH VERTICAL SMT SOLDER TAIL			
	CHKD:XJSUNG	2009/09/13			4 PLACES	±---	±---	GRATE MA		2004/02/02		
	APPR:RZHANG				3 PLACES	±---	±---	CHECKED BY		DATE		
					2 PLACES	±0.15	±---	YA JUN		2004/02/02		
					1 PLACE	±0.25	±---	APPROVED BY	DATE	MOLEX INCORPORATED		
					ANGULAR ± 1 °		SAM	2004/02/02				
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.	DOCUMENT NO.	SHEET NO.			
							SEE CHART		SD-67800-005			2 OF 2
							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					